

CR CHALLIS



IP66 Ingress Protection



I Electrical Class



IK10 Bowl / **IK08** Top



-20°C Minimum Ambient



8kg Weight



30°C Maximum Ambient



0.14m² Wind Area



LED Light Source

SPECIFICATION

- LED Colour temperature 4000K
- Colour rendering Index > 70
- Projected L90 after 100,000 hours
- Power Factor 0.95 at full load
- High quality pressure die cast aluminium components
- Post top mounting of 76mm
- UMSUG codes available
- Tool-less access
- CLO Available
- Black Finish
- Surge protection 6Kv Thermal Resetting
- Controls – 7 pin nema (Photocell or short plug required)
- UV Stabilised PolyCarbonate Bowl
- In built Ventilation (breather) Plug for pressure equalisation
- Supplied Pre-cabled with 7m of 1.5mm Artic blue cable
- General Area 3 optics

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ELECTRICAL CHARACTERISTICS

	Challis 4 LED
System Power	14 W – 50 W (powerset settings 14, 19,23,27, 35 and 42, already factory set at 50 watts)
LED CCT	4000K
LED CRI	>70
Lumen Output	Up to 5847lm
Lumen Maintenance	Projected L90 after 100,000 hours
Driver Current	245 – 1000mA
Power Factor (Full Load/Half Load)	0.95/0.90
Operational Voltage	220-240 VACrms
Operating Frequency	50/60Hz
Inrush Current (Apk/50%-uS)	53A/200uS
Running Current	0.208A max
Surge Protection	6Kv Thermal Resetting
Lighting Controls	Nema socket 7 pin (you will need to purchase a dusk till dawn photocell for columns with 24 hour supply or shorting plug for columns on group control)

MECHANICAL CHARACTERISTICS

Housing Material	High pressure die cast aluminium
Bowl Material	UV stabilised polycarbonate
Housing Finish	PMMA
Ingress Protection Rating	Chromate free pre treatment polyester powder coat Black (RAL 9017)
Weight	8.0kg
Wind Area	0.14m2
Impact Resistance Rating	IK10 Bowl / IK08 Top
Mounting Method	Post Top 76mm

The PowerSet module option allows on site power adjustment providing maximum flexibility both in-situ and for stock holding, comes pre-set at 50 watt but can be dropped to 14, 19, 23, 27, 35 and 42 watts.

Each module accomodates the selection of any one of the range of powers for the Challis luminaire.



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